Tran Xuan Son

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EDUCATION

- **Hanoi University of Science and Technology (HUST)** — Hanoi, VietNam
  Mathematics and Informatics — *Oct. 2022 – Oct. 2026*

EXPERIENCE

- **Mattech** — Hanoi, VietNam
  Backend Engineer — *March 2025 - July 2025*

  Feature Maintenance and Enhancement:
  - Read internal documentation and system specifications
  - Trained on business workflows and explored the codebase
  - Maintained and improved existing features based on team feedback

  Developed Feature to Extract Data from Delivery Receipt Images:
  Purpose: Automated data extraction from delivery images to eliminate manual entry.
  - Evaluated AI APIs (ChatGPT, Gemini, etc.) in terms of their ability to process images, extract information, handle multiple languages, and their pricing models
  - Tested various APIs and selected the most suitable one for image processing
  - Developed backend logic to handle prompt creation, third-party API calls, and JSON data parsing
  - Integrated the new feature into the existing UI to ensure a seamless user experience

  Implemented Facial Recognition System for Attendance:
  Purpose: Automate attendance using facial recognition to support digital transformation.
  - Built an automated attendance system serving over 1000 employees
  - Explored computer vision concepts and tested models like YOLO, InsightFace, Buffalo, etc
  - Built a backend service using FastAPI for facial authentication
  - Developed APIs for image collection, face detection, and user verification
  - Used Docker and Docker Compose for deployment; managed logs and exception handling
  - Implemented Redis caching to reduce authentication requests and improve performance
  - User and attendance data using SQLite

PROJECTS

- **Build CI/CD**:
  - Built CI/CD pipelines across multiple platforms including GitHub Actions, GitLab CI/CD, and Jenkins
  - Wrote Dockerfiles for project containerization
  - Used virtual machines to simulate and deploy lab environments
  - Installed and configured tools such as GitLab Server, GitLab Runner, Jenkins Server, Jenkins Agent, Docker Registry, and SonarQube Server
  - Set up integrations for Slack and SMS notifications
  - Implemented Unit Tests and Integration Tests

- **Laptop Shop Website**:
  - Developed a full-stack web application using Spring Boot (MVC, JSP)
  - Implemented user authentication and role-based access control with Spring Security
  - Built CRUD operations for users, products, and orders using Spring Data JPA
  - Integrated file upload, search, sorting, and pagination for product management

TECHNICAL SKILLS

- **Languages:** Groovy, Python, JavaScript, SQL, Java, Bashscript   **Tools**: Gitlab, Jenkins, Docker
- **Frameworks and Libraries**: Spring, React, Fastapi, JSP   **Operating Systems**: Windows, Linux (Ubuntu)